

WATER ELECTRICIAN

DISTINGUISHING FEATURES

The fundamental reason the Water Electrician position exists is to install, maintain, and repair water electrical systems, and equipment to promote delivery of water and wastewater in the Water Operations Division of the Water Resources Department. The Water Electrician position is non-supervisory. This position reports to the Water Operations Supervisor.

ESSENTIAL FUNCTIONS

Installs, maintains and repairs electrical systems located at well sites, booster stations, sewer lift stations, metering vaults, and valve vaults, including high voltage equipment.

Lays out plans, installs, maintains, and repairs electrical equipment such as motor control centers, well and booster controls, tank and reservoir level probes, sewer lift pumps and controls, electric valves, chlorination controls, and lighting circuits.

Performs preventative maintenance tasks on all water electrical systems. Assists in the operation of the water/wastewater system as necessary.

Attendance and punctuality are essential functions of this position.

MINIMUM QUALIFICATIONS

Knowledge, Skills, and Abilities

Knowledge of:

The principles, methods, materials and tools used in the electrical trade; hazards and precautionary methods; functions and mechanics of electrical motors, centrifugal and deep well turbine pumps and water transmission systems.

Ability to:

Work rotating weekend shifts, holidays and a call-out schedule.

Communicate orally by telephone and two-way radio

Troubleshoot defects in electrical systems and equipment.

Work from drawings and specifications.

Establish and maintain effective working relationships with co-workers, supervisors and the general public.

Operate a variety of equipment and machinery requiring continuous or repetitive arm and hand movements.

Prioritize schedule and work tasks and complete work within specified time periods and deadlines.

Move and lift heavy objects (50 pounds or more) both short and long distances.

Walk up and down stairs, climb up and down ladders and, traverse over rough terrain.

Work in adverse conditions, including extreme hot temperatures, cold temperatures, wind, rain and a high volume of noise.

Education & Experience

Any combination of training, education and experience equivalent to completion of a recognized electrical apprenticeship and three years of experience as a journey level electrician in an industrial setting. Some experience with municipal water systems is highly desirable.

Must possess and maintain during this position a valid Arizona Driver's License, with no major driving citations in the last 39 months for all driving positions.

Special Requirements: Certification as a Water Distribution State Operator and certification as a Wastewater Collection Operator I within one year of hire.

Individuals in this classification must possess a valid Arizona Commercial Driver's License (CDL) at the time of hire or promotion date. As a condition of continued employment, an individual of this classification must maintain a valid Arizona Commercial Driver's License (CDL) with appropriate endorsements and is subject to random, unannounced drug and alcohol testing to comply with the Department of Transportation (DOT) Federal Motor Carrier Safety Administration (FMCSA) regulations 49 Code of Federal Regulations (CFR) Part 382.

FLSA Status: Non-exempt

HR Ordinance Status: Classified